

SEQUENCE LISTING

<110> Holloway, James L.

<120> Human Serine Protease

<130> 99-88C1

<150> 60/167,038

<151> 1999-11-23

<150> 09/715,994

<151> 2000-11-17

<160> 4

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 807

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1)...(807)

<400> 1

agg atc att ggg ggc cga aat gct gag cct ggc ctc ttc ccg tgg cag	48
Arg Ile Ile Gly Gly Arg Asn Ala Glu Pro Gly Leu Phe Pro Trp Gln	
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gcc ctg ata gtg gtg gag gac act tcg aga gtg cca aat gac aag tgg	96
Ala Leu Ile Val Val Glu Asp Thr Ser Arg Val Pro Asn Asp Lys Trp	
20 25 30	

ttt ggg agt ggg gcc ctg ctc tct gcg tcc tgg atc ctc aca gca gct	144
Phe Gly Ser Gly Ala Leu Leu Ser Ala Ser Trp Ile Leu Thr Ala Ala	
35 40 45	

cat gtg ctg cgc tcc cag cgt aga gac acc acg gtg ata cca gtc tcc	192
His Val Leu Arg Ser Gln Arg Arg Asp Thr Thr Val Ile Pro Val Ser	
50 55 60	

aag gag cat gtc acc gtc tac ctg ggc ttg cat gat gtg cga gac aaa	240
Lys Glu His Val Thr Val Tyr Leu Gly Leu His Asp Val Arg Asp Lys	
65 70 75 80	
tcg ggg gca gtc aac agc tca gct gcc cga gtg gtg ctc cac cca gac	288
Ser Gly Ala Val Asn Ser Ser Ala Ala Arg Val Val Leu His Pro Asp	
85 90 95	
ttc aac atc caa aac tac aac cac gat ata gct ctg gtg cag ctg cag	336
Phe Asn Ile Gln Asn Tyr Asn His Asp Ile Ala Leu Val Gln Leu Gln	
100 105 110	
gag cct gtg ccc ctg gga ccc cac gtt atg cct gtc tgc ctg cca agg	384
Glu Pro Val Pro Leu Gly Pro His Val Met Pro Val Cys Leu Pro Arg	
115 120 125	
ctt gag cct gaa ggc ccg gcc ccc cac atg ctg ggc ctg gtg gcc ggc	432
Leu Glu Pro Glu Gly Pro Ala Pro His Met Leu Gly Leu Val Ala Gly	
130 135 140	
tgg ggc atc tcc aat ccc aat gtg aca gtg gat gag atc atc agc agt	480
Trp Gly Ile Ser Asn Pro Asn Val Thr Val Asp Glu Ile Ile Ser Ser	
145 150 155 160	
ggc aca cgg acc ttg tca gat gtc ctg cag tat gtc aag tta ccc gtg	528
Gly Thr Arg Thr Leu Ser Asp Val Leu Gln Tyr Val Lys Leu Pro Val	
165 170 175	
gtg cct cac gct gag tgc aaa act agc tat gag tcc cgc tcg ggc aat	576
Val Pro His Ala Glu Cys Lys Thr Ser Tyr Glu Ser Arg Ser Gly Asn	
180 185 190	
tac agc gtc acg gag aac atg ttc tgt gct ggc tac tac gag ggc ggc	624
Tyr Ser Val Thr Glu Asn Met Phe Cys Ala Gly Tyr Tyr Glu Gly Gly	
195 200 205	
aaa gac acg tgc ctt gga gat agc ggt ggg gcc ttt gtc atc ttt gat	672
Lys Asp Thr Cys Leu Gly Asp Ser Gly Gly Ala Phe Val Ile Phe Asp	
210 215 220	
gac ttg agc cag cgc tgg gtg gtg caa ggc ctg gtg tcc tgg ggg gga	720

cct gaa gaa tgc ggc agc aag cag gtc tat gga gtc tac aca aag gtc	768
Pro Glu Glu Cys Gly Ser Lys Gln Val Tyr Gly Val Tyr Thr Lys Val	
245 250 255	
tcc aat tac gtg gac tgg gtg tgg gag cag atg ggc tta	807
Ser Asn Tyr Val Asp Trp Val Trp Glu Gln Met Gly Leu	
260 265	

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<212> PRT
<213> Homo sapiens
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Phe	Gly	Ser	Gly	Ala	Leu	Leu	Ser	Ala	Ser	Trp	Ile	Leu	Thr	Ala	Ala
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His	Val	Leu	Arg	Ser	Gln	Arg	Arg	Asp	Thr	Thr	Val	Ile	Pro	Val	Ser
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Lys	Glu	His	Val	Thr	Val	Tyr	Leu	Gly	Leu	His	Asp	Val	Arg	Asp	Lys
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Ser	Gly	Ala	Val	Asn	Ser	Ser	Ala	Ala	Arg	Val	Val	Leu	His	Pro	Asp
				85					90					95	
Phe	Asn	Ile	Gln	Asn	Tyr	Asn	His	Asp	Ile	Ala	Leu	Val	Gln	Leu	Gln
			100					105					110		
Glu	Pro	Val	Pro	Leu	Gly	Pro	His	Val	Met	Pro	Val	Cys	Leu	Pro	Arg
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Leu	Glu	Pro	Glu	Gly	Pro	Ala	Pro	His	Met	Leu	Gly	Leu	Val	Ala	Gly
	130					135					140				
Trp	Gly	Ile	Ser	Asn	Pro	Asn	Val	Thr	Val	Asp	Glu	Ile	Ile	Ser	Ser
145				150						155					160
Gly	Thr	Arg	Thr	Leu	Ser	Asp	Val	Leu	Gln	Tyr	Val	Lys	Leu	Pro	Val
				165					170					175	
Val	Pro	His	Ala	Glu	Cys	Lys	Thr	Ser	Tyr	Glu	Ser	Arg	Ser	Gly	Asn
			180					185					190		
Tyr	Ser	Val	Thr	Glu	Asn	Met	Phe	Cys	Ala	Gly	Tyr	Tyr	Glu	Gly	Gly
		195					200					205			

Lys Asp Thr Cys Leu Gly Asp Ser Gly Gly Ala Phe Val Ile Phe Asp
 210 215 220
 Asp Leu Ser Gln Arg Trp Val Val Gln Gly Leu Val Ser Trp Gly Gly
 225 230 235 240
 Pro Glu Glu Cys Gly Ser Lys Gln Val Tyr Gly Val Tyr Thr Lys Val
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 Ser Asn Tyr Val Asp Trp Val Trp Glu Gln Met Gly Leu
 260 265

<210> 3

<211> 807

<212> DNA

<213> Artificial Sequence

<220>

<223> This degenerate sequence encodes the amino acid
sequence of SEQ ID NO:2.

<221> variation

<222> (1)...(807)

<223> N is any nucleotide.

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gcwnstgga	thytnacgc	ngcncaygtn	ytnmgnwsnc	armgmngnga	yacnacngtn	180
athccngtnw	snaargarca	ygtnacngtn	tayytnggny	tncaaygayt	nmngnayaar	240
wsngngcng	tnaaywsnw	ngcngcnmgn	gtngtnytnc	ayccngaytt	yaayathcar	300
aaytayaayc	aygayathgc	nytngtnear	ytncargarc	cngtnccnyt	nggncncay	360
gtnatgccng	tntggytnc	nmgnytngar	ccngarggnc	cngcncnca	yatgytnggn	420
ytngtngcng	gntggggnat	hwsnaayccn	aaygtnacng	tngaygarat	hathwsnwsn	480
ggnacnmgna	cnytnwsnga	ygtnytncar	taygtnaary	tnccngtngt	nccncaygcn	540
gartgyaara	cnwsntayga	rwsnmgnwsn	ggnaaytayw	sngtnacnga	raayatgtty	600
tgygcnggnt	aytaygargg	nggnaargay	acntggytng	gngaywsngg	nggngcntty	660
gtnathhttyg	aygaytnws	ncarmgntgg	gtngtncarg	gnytngtnws	ntggggnggn	720
ccngargart	gyggwnsnaa	rcargtntay	ggngtntaya	cnaargtnws	naaytaygtn	780
gaytgggtnt	gggarcarat	gggnytn				807

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<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide linker.

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099434650